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Bonnet et al.

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- (54) **DATA DETECTION OF A CHARACTER SEQUENCE HAVING MULTIPLE POSSIBLE DATA TYPES**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1154 days.

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G06F 17/21 (2006.01)
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USPC **704/9**; 704/1; 704/10; 707/755; 717/143;
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(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A method of processing a sequence of characters, the method comprising converting the sequence of characters into a sequence of tokens so that each token comprises a lexeme and one of a plurality of token types. Each of the plurality of token types relates to at least one of a plurality of predetermined functions, wherein at least one said token type relates to multiple functions of the plurality of predetermined functions.

16 Claims, 7 Drawing Sheets

